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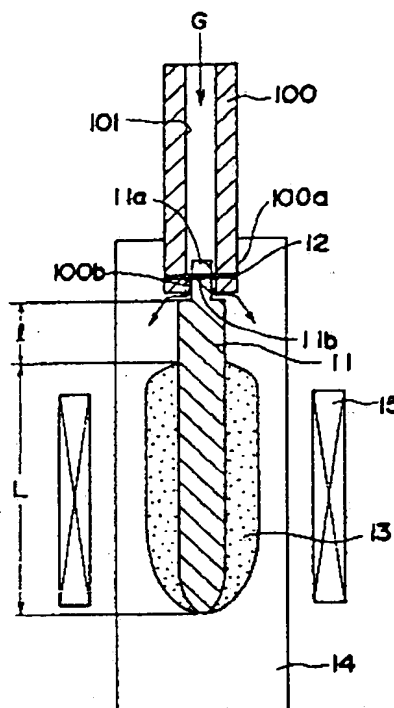
APPLICATION DATE : 15-12-88
APPLICATION NUMBER : 63314956

APPLICANT : SUMITOMO ELECTRIC IND LTD;

INVENTOR : SAITO MASAHIDE;

INT.CL. : C03B 37/012 G02B 6/00

TITLE : METHOD AND STRUCTURE FOR
SUPPORTING GLASS MATRIX



ABSTRACT : **PURPOSE:** To prevent the thermal deformation of the supporting portion of a starting matrix and to contrive the elongation of the deposition portion of glass fine particles by introducing a cooling gas to the engaging and supporting section between the starting matrix and a supporting bar for the starting matrix when the glass fine particles are deposited on the starting matrix and subsequently converting the glass particles into a glass.

CONSTITUTION: In a method for supporting a glass matrix by engaging and supporting (fixed with a pin 12) the end of the starting matrix 11 rotated on a vertical axis with a supporting bar 100 for the starting matrix, when glass fine particles 13 are deposited on the periphery of the starting matrix 11 and subsequently heated (with a heater 15) to form transparent glass, the starting matrix is engaged and supported with the supporting bar 100 for supporting the starting matrix while the engaging and supporting section between the supporting bar 100 and the starting matrix 11 is cooled with a cooling gas (employs a gas passageway 101 and an inert gas G such as N₂ or He).

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